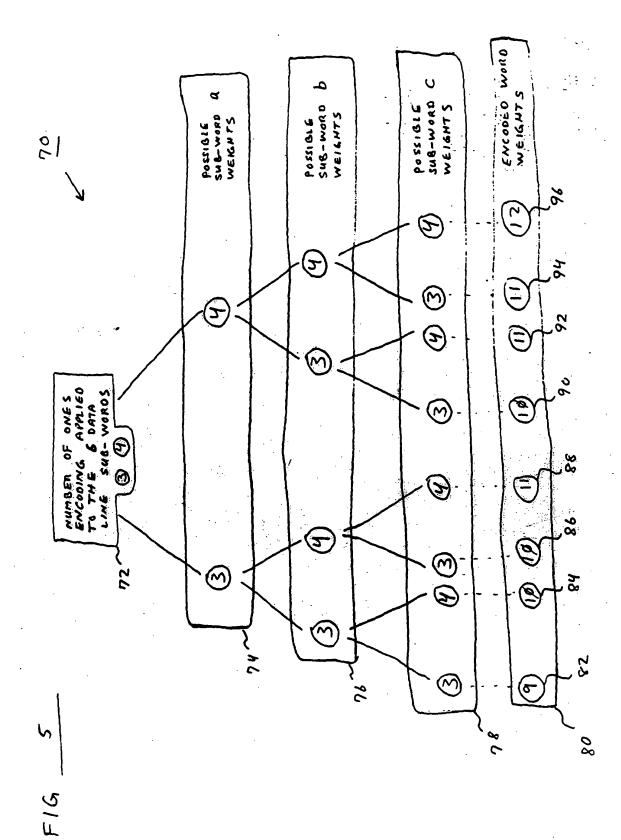


VU	,,,,,	Peo	P=l	P=2	PFB	P=Y	P=5	P=6	P=7	P= 9	P=9	P=10	
IBER OF ENCODED LINES (7)	7=/ 7=2 7=8 7=6 7=6 7=6 7=8 7=8	1. 1. 1. 1. 1. 1.	1. 2. 3. 4. 5. 6. 7. 8. 9.	1. 3. 6. 10. 15. 21. 28. 36.	1. 4. 10. 20. 35. 56. 84. 120.	1. 5. 15. 35. 70. 126. 210.	1. 6. 21. 56. 126. 252.	1. 7. 28. 84. 210.	I. 8. 36. 120.	1. 9. 45.	1. 10.	1.	

UMBER OF ONES (P) IN AN ENCODED WORD

FIGURE 4

			<u> </u>
EMCode D bas Length 3	Code States	INPUT Word	Extra Lines 2
4 5	6 10	3	2
6	20 35	4 5	2 2 2 2 3 3
8 9	35 70 126 252	6	3
10	252 462	7 8	
11 12 13	462 924 1716	.9 10	3 3
14 15	3432 6435	11 12	3 3
16	12870	13 14	3
17 18	24310 48620	15	33333333333
19 20	92378 184756	16 17	3
31	352716	18	3



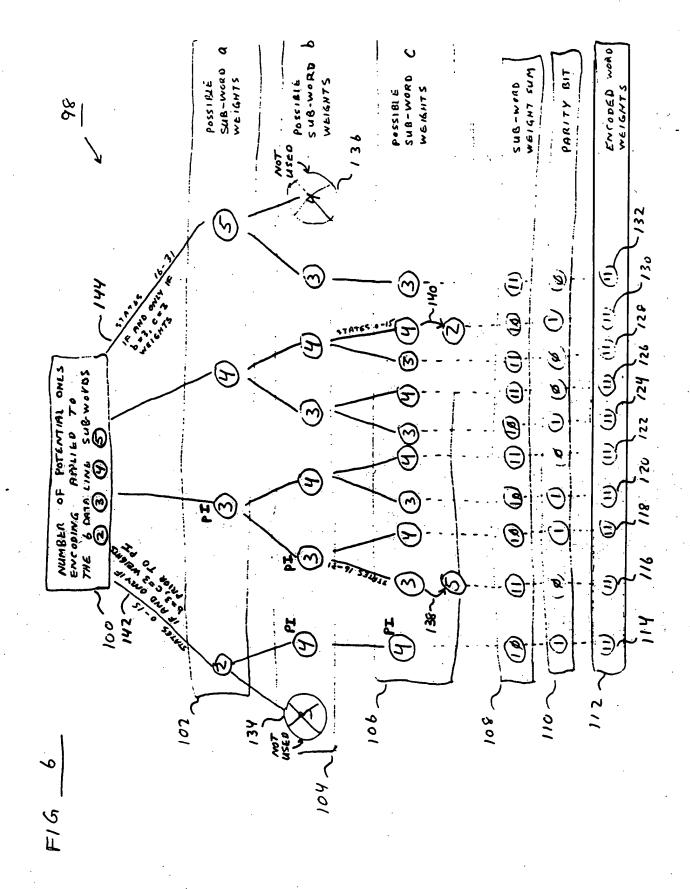
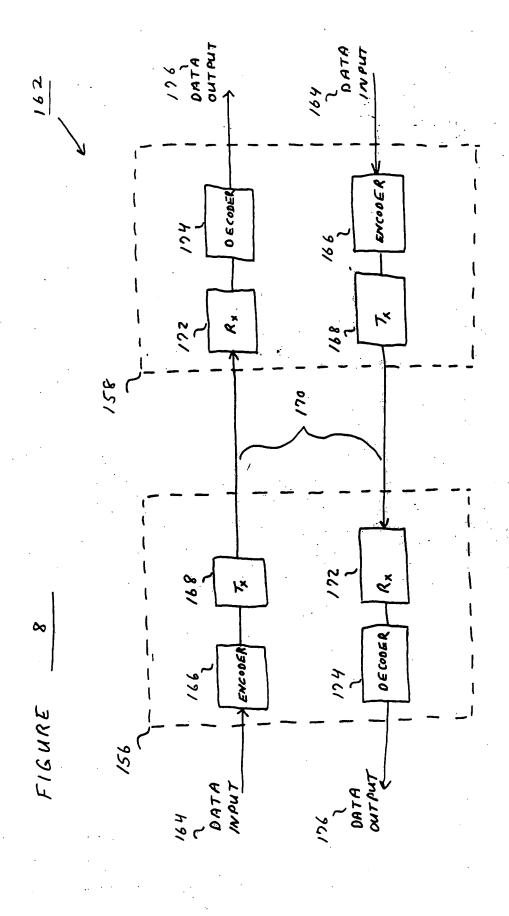
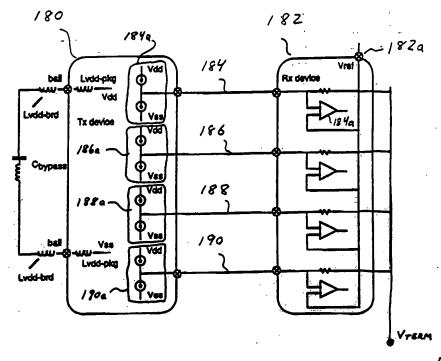
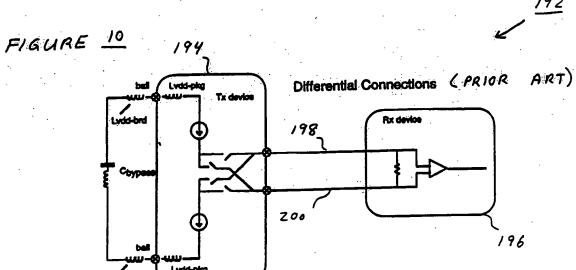
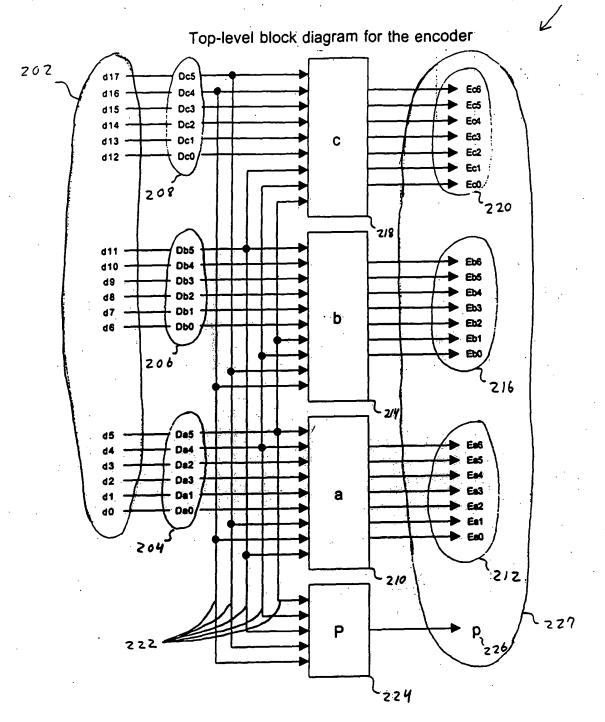


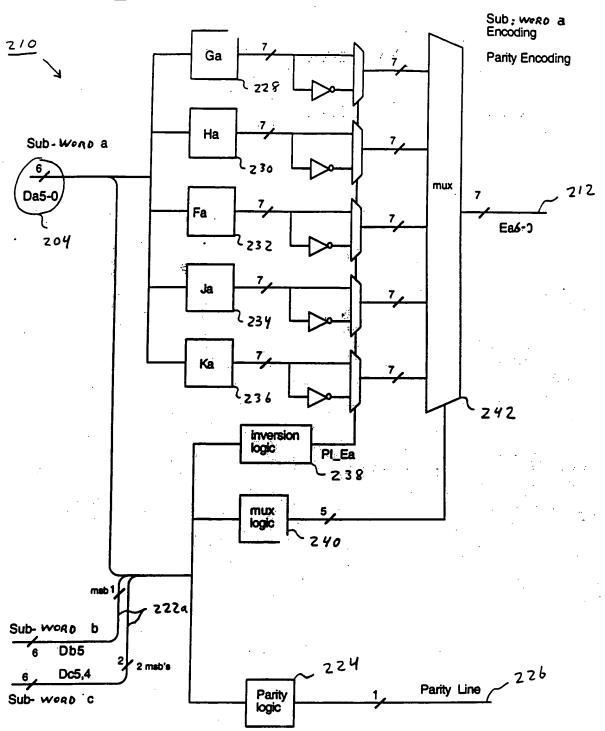
FIGURE 7



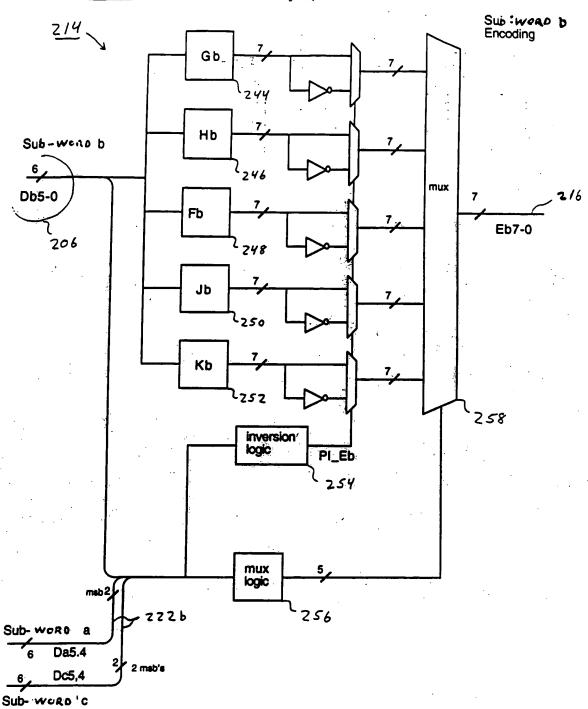




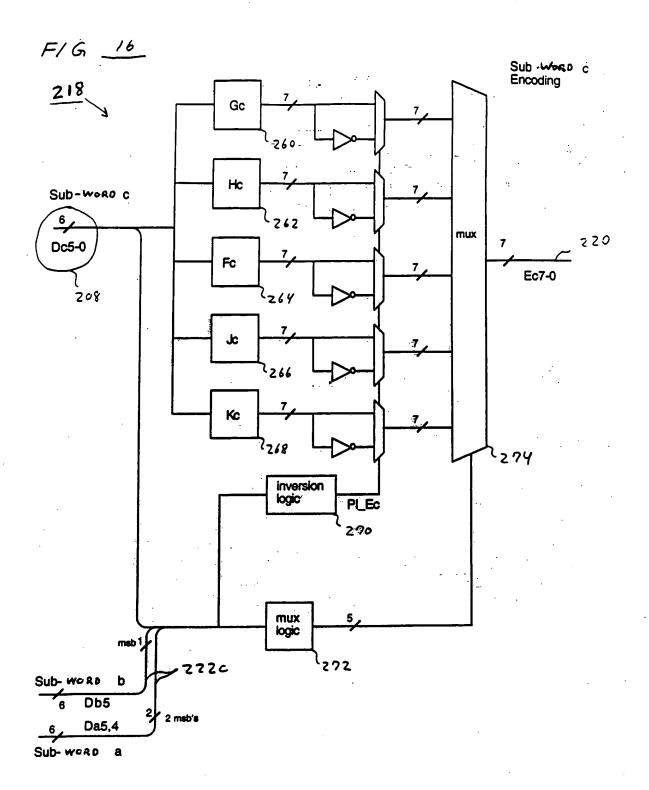




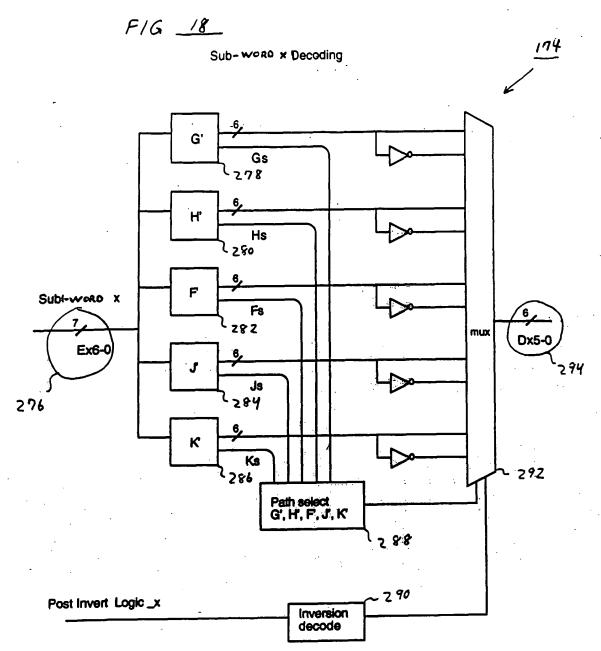
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\ \	Oa5				• Des			Da1 De0	Ea4-0		Da2	Da1	Da0	Ea	4-0	
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224a												1 o 1	1	1 110	010	
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•	~	<u> </u>	Truth	Table fo	r Parky	ek .		Block Fa		ŀ	0	1 - 1	•	110	001 110	ì
•	~				r Parity	Bit Party Bit		Block Fe	Ent-0	ŀ	-	1	•	110 10		
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-511	Encode Truth tables for Bloc	k diagram elements of sub-AVI	et child	يسر		:		مبر	
256b	Subchannel b Mux To	ruth Table	Block GI			Block J	b		
$\overline{}$	Ob5 Ob4 Ob3 Ob2	Block	D61 D60	Eb4-0	10	062 Db1	060	Eb4-0	
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		FI		01000	f 1	0 0	1	10001	
				00100		0 .1	0	. 01100 .	
		1 1		00010	T	0 1	1	01010	
		l k l				1 0	0	01001	
	1 0 0 x	1 7 1		Eb6 Eb6	1	1 0	1	00110	
		lkl	always 1 for Gb	1 1		1 1 1	0	00101	
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7	De4 De5 Db5 Dc5 Dc4			01111	1	;	- X		
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•	all other combinations	no Inversion		Ex6 Ex6					
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		مسر .	THE PARTY OF THE P			Db2 Db1	D60	Eb4-0	
	•	2441	Block Ft		F	0 0	0	11100	
		2466	D61 D60	Eb4-0	1 1	o l o	i	11010	
			0 0	11000	1 1	0 1	Ö	11001	
				10100	1 1	0 1	i	10110	
				01011	1	1 0	0	10101	
				00111	1 1	1 0	1	10011	
	•				- 1 1 -	1 1	0	01110	
			Db2 Db1	Eb6 Eb6	1 1	3 1 1	1	01101	
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F/G	260c	266c
Subchannel c Mux Truth Table De5 De4 De3 De2 Da5 Db5 Block	Dc1	Block Jc Dc0 Ec4-0 Dc2 Dc1 Dc0 Ec4-0 Dc0 Dc0
	· .	



note: x is a, b, or c for respective sub - we as

Truth Table for Sub-Wego Decode

Decode Path Mux Control Ea4-0 Cess Hess Fess Jess Kess Block Da5 Da4 Da3 Da2 Da1 Da0	Decode 4		rth Teb				1							·	•
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00100			_	-	-	-		li		-			-	: 1	(228c
00100			-	-	-	- 1		1 1	-	-			ı •	! ' 1	ا درع م
11101	00100	•	•	•		- 1	_			•	•		;	: 1)
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11011		<u> </u>			_	_	HI.	\vdash	Fas -Fas	1	 	Ea5_	0	Ó	ר
10111			•			-				1	1	Ea5_	0	1	> 2 80 a
01111			:	-	-	-		1 1		1	1 1	Ea5_	۱ ۱	0	1 \ -
11000 0 0 1 0 0 0 F' EaS EaS EaS EaS 0 1 0 0 0 11 0 0 0 F' EaS EaS EaS EaS EaS 0 1 0 0 0 0 1 0 0 0 F' EaS EaS EaS EaS EaS EAS 1 1 1 0 0 0 1 0 0 0 F' EaS EA		_	:	-		- 1				Å	1	Ea5	1	1.1.	ノ
10000 0 0 1 0 0 0 F' EaS EaS EaS EaS EaS 1 0 1 000111 0 0 1 0 0 F' EaS EaS EaS EaS EaS EaS 1 1 0 EaS EaS EaS EaS EaS 1 1 1 0 EaS EaS EaS EaS EaS 1 1 1 0 EaS EaS EaS EaS EaS 1 1 1 0 EaS EaS EaS EaS 1 1 1 0 EaS EaS EaS EaS 1 1 1 0 EaS EaS EaS 1 1 1 1 0 EaS EaS EaS EaS 1 1 1 1 1 0 EaS EaS EaS EaS 1 1 1 1 1 0 EaS EaS EaS EaS 1 1 1 1 1 0 EaS EaS EaS EaS 1 1 1 1 1 0 EaS EaS EaS EaS 1 1 1 1 1 0 EaS EaS EaS EaS 1 1 1 1 1 0 EaS EaS EaS EaS 1 1 1 1 1 0 EaS EaS EaS EaS EaS 1 1 1 1 1 1 0 EaS EaS EaS EaS EaS EaS 1 1 1 1 1 1 0 EaS EaS EaS EaS EaS EaS EaS 1 1 1 1 1 1 0 EaS	01111	- <u>°</u> -				_		-							l <u>:</u>
10100 0 0 1 0 0 F' EaS EAS EAS EAS EAS EAS 1 0 1 0 01111 0 0 1 0 0 F' EAS EAS EAS EAS 1 1 0 EAS EAS EAS EAS 1 1 0 EAS EAS EAS EAS 1 1 1 0 EAS EAS EAS EAS 1 1 1 1 0 EAS EAS EAS EAS 1 1 1 1 0 EAS EAS EAS EAS 1 1 1 1 0 EAS EAS EAS EAS 1 1 1 1 0 EAS EAS EAS EAS 1 1 1 1 0 EAS EAS EAS EAS 1 1 1 1 0 EAS EAS EAS EAS 1 1 1 1 0 EAS EAS EAS EAS 1 1 1 1 0 EAS EAS EAS EAS EAS 1 1 1 1 0 EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS EAS EAS EAS EAS EAS 1 1 0 1 1 0 EAS	11000	-	٥	1	-	0	F'		Ea5	Eas	Eas				רו
01011			-		-		F*	1	Eas	EaS		1		1	32824
00111 0 0 1 0 0 F' EaS EAS EAS EAS 1 1 1 10010 0 0 0 1 0 J' EaS-EAS EAS EAS 0 0 0 1 10100 0 0 0 1 0 J' EAS-EAS EAS EAS 0 1 0 01100 0 0 0 0 1 0 J' EAS-EAS EAS EAS 0 1 0 01010 0 0 0 0 1 0 J' EAS-EAS EAS EAS 1 0 0 01010 0 0 0 0 1 0 J' EAS-EAS EAS EAS 1 0 0 01110 0 0 0 0 1 0 J' EAS-EAS EAS EAS 1 0 0 00110 0 0 0 0 1 0 J' EAS-EAS EAS EAS 1 0 0 00110 0 0 0 0 1 0 J' EAS-EAS EAS EAS 1 0 0 00110 0 0 0 0 1 0 J' EAS-EAS EAS EAS 1 1 0 00101 0 0 0 0 1 0 J' EAS-EAS EAS EAS 1 1 0 11100 0 0 0 0 1 K' EAS-EAS EAS EAS 1 1 1 11100 0 0 0 0 0 1 K' EAS EAS EAS EAS 1 1 1 11100 0 0 0 0 0 1 K' EAS EAS EAS EAS 0 0 0 1 11010 0 0 0 0 0 1 K' EAS EAS EAS EAS 0 0 1 1 11100 0 0 0 0 0 1 K' EAS EAS EAS EAS 0 0 1 1 11100 0 0 0 0 0 1 K' EAS EAS EAS EAS 0 0 1 1 11100 0 0 0 0 0 1 K' EAS EAS EAS EAS 0 0 1 2 284 a			-	•	-	ā	F		Ea5	Ea5			1	0	
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10010	- 00111	 	<u>-</u> -									<u> </u>			L
10001 0 0 0 1 0 J' Eas-Eas Eas_Eas Eas_ 0 1 0 0 1100 0 0 0 0 1 0 J' Eas-Eas Eas_Eas Eas_ 0 1 1 0 0 0 0 0 0 1 0 J' Eas-Eas Eas_Eas Eas_ 0 1 1 0 0 0 0 0 0 1 0 J' Eas-Eas Eas_Eas Eas_ 1 0 0 0 0 0 0 0 1 0 J' Eas-Eas Eas_Eas Eas_ 1 0 0 0 0 0 0 0 1 0 J' Eas-Eas Eas_Eas Eas_ 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10010	0	0	0	1	0	1'								1)
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00110 0 0 0 1 0 J' Eas-Eas Eas_Eas Eas_ 1 1 0 0 00101 0 0 0 0 1 0 J' Eas-Eas Eas_Eas Eas_Eas Eas_ 1 1 0 0 00101 0 0 0 0 1 0 J' Eas-Eas Eas_Eas Eas_ 1 1 0 0 00101 0 0 0 0 0 1 K' Eas wor Eas Eas_Eas_Eas_Eas_ 0 0 0 1 10010 0 0 0 0 0 1 K' Eas wor Eas Eas_Eas_Eas_Eas_Eas_Eas_Eas_Eas_Eas_Eas_			0	0	1	0	J'	1					1 -	1 -	1 1
00101 0 0 0 1 0 J' Ea5-Ea6 Ea6_Ea5 Ea5_ 1 1 0 0 00011 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea5 Ea6_ 0 0 0 1 1 1100 1 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea5 Ea6_ 0 1 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea5 Ea6_ 0 1 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea5 Ea6_ 0 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea5 Ea6_ 0 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea5 Ea6_ 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea5 Ea6_ 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea5 Ea6_ 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea5 Ea6_ 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea6 Ea5_ 1 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea6 Ea5_ 1 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea6 Ea5_ 1 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5 Ea6_+Ea6_+Ea6_Ea5_ 1 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5_Ea6_+Ea6_+Ea6_Ea5_ 1 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5_Ea6_+Ea6_+Ea6_Ea5_ 1 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 wor Ea5_Ea6_+Ea6_+Ea6_Ea5_ 1 1 1 0 0 1 1001 0 0 0 0 0 0 0 1 K' Ea6 wor Ea5_Ea6_+Ea6_+Ea6_Ea5_ 1 1 1 0 0 1 1001 0 0 0 0 0 0 0 1 K' Ea6 wor Ea5_Ea6_+Ea6_+Ea6_+Ea6_+Ea6_+Ea6_+Ea6_+Ea6_		0	0	0	1	0	J,						0	1 '	11
00011 0 0 0 1 0 J' Ea5-Ea6 Ea6-Ea5 Ea5 0 0 0 1 1100 0 0 0 0 1 K' Ea6 nor Ea6 Ea6-Ea5 Ea6 0 1 0 1 1001 0 0 0 0 0 1 K' Ea6 nor Ea6 Ea6-Ea6 Ea6 0 1 0 1 1001 0 0 0 0 0 1 K' Ea6 nor Ea6 Ea6-Ea6 Ea6 0 1 1 0 0 1001 0 0 0 0 0 1 K' Ea6 nor Ea6 Ea6-Ea6 Ea6- 0 1 1 1 0 1001 0 0 0 0 0 1 K' Ea6 nor Ea6 Ea6-Ea6 Ea6- 1 0 0 1 1001 0 0 0 0 0 1 K' Ea6 nor Ea6 Ea6-Ea6 Ea6- 1 0 0 1 1001 0 0 0 0 0 1 K' Ea6 nor Ea6 Ea6-Ea6 Ea6- 1 1 0 0 1 1001 0 0 0 0 0 1 K' Ea6 nor Ea6 Ea6-Ea6-Ea6- 1 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 nor Ea6-Ea6-Ea6-Ea6-Ea6- 1 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ea6 nor Ea6-Ea6-Ea6-Ea6-Ea6-Ea6-Ea6-Ea6-Ea6-Ea6-		٥	0	0	1	0	J'					'I .	1!		17
11100 0 0 0 0 1 K' Ea6 xor Ea5 Ea6_+ Ea5 0 0 0 1 1010 0 0 0 0 0 1 K' Ea6 xor Ea5 Ea6_+ Ea5 Ea6_ 0 1 0 1010 0 0 0 0 0 1 K' Ea6 xor Ea5 Ea6_+ Ea5 Ea6_ 0 1 0 0 1010 0 0 0 0 0 1 K' Ea6 xor Ea5 Ea6_+ Ea5 Ea6_ 0 1 1 0 0 0 0 0 0 1 K' Ea6 xor Ea5 Ea6_+ Ea5 Ea6_ 0 1 1 0 0 0 0 0 0 1 K' Ea6 xor Ea5 Ea6_+ Ea5 Ea6_ 1 0 0 1 0 0 0 0 0 1 K' Ea6 xor Ea5 Ea6_+ Ea5 Ea6_ 1 0 0 1 0 0 0 0 0 0 1 K' Ea6 xor Ea5 Ea6_+ Ea6_+ Ea6 1 1 0 0 0 0 0 0 0 0 1 K' Ea6 xor Ea5 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	_1_	0			Ea5-Ea6	Eas_Eas	Ea5	+-	+-	 '! -	4/
1100 0 0 0 0 1 K' Ead xor Ead Ead + Ead 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									`	100	+	+-	+-	+-	-
11010 0 0 0 0 1 K' Ead xor Ead Ead + Ead = 0 1 0 1 10110 0 0 0 0 0 1 K' Ead xor Ead Ead + Ead Ead = 1 0 0 1 10110 0 0 0 0 0 1 K' Ead xor Ead Ead + Ead Ead = 1 0 0 1 10011 0 0 0 0 0 1 K' Ead xor Ead Ead = Ead + Ead Ead = 1 0 0 1 101110 0 0 0 0 0 1 K' Ead xor Ead Ead = Ead + Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 1 K' Ead xor Ead Ead = Ead + Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 1 K' Ead xor Ead Ead = Ead + Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 1 K' Ead xor Ead Ead = Ead + Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 1 K' Ead xor Ead Ead = Ead + Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 1 K' Ead xor Ead Ead = Ead + Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 1 K' Ead xor Ead Ead = Ead + Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 1 K' Ead xor Ead Ead = Ead + Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 1 101110 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 0 1 101110 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 0 1 101110 0 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 0 1 101110 0 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 0 1 101110 0 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 0 1 101110 0 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 0 1 101110 0 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 0 1 101110 0 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 0 1 101110 0 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 0 0 0 1 101110 0 0 0 0 0 0 0 0 1 K' Ead xor Ead Ead = 1 1 1 0 0 0 1 101110 0 0 0 0 0 0 0 0	11100	0	0	0	0	1									1.)
1001 0 0 0 0 0 1 K' Ead xor Ea5 Ea6 + Ea5 0 1 1 0 0 1001 0 0 0 0 0 1 K' Ead xor Ea5 Ea6 + Ea5 Ea5 1 0 0 1 1001 0 0 0 0 0 1 K' Ead xor Ea5 Ea6 + Ea5 Ea5 1 0 0 1 1001 0 0 0 0 0 1 K' Ead xor Ea5 Ea6 + Ea5 Ea5 1 0 0 1 1001 0 0 0 0 0 1 K' Ead xor Ea5 Ea6 + Ea6 Ea5 1 1 0 0 1 1001 0 0 0 0 0 0 1 K' Ead xor Ea5 Ea6 + Ea6 Ea5 1 1 0 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1	11010	0	0	0	0	1		1					_	1 '	1 /
10110 0 0 0 0 1 K' East wr East East East 1 0 0 1 10011 0 0 0 0 0 1 K' East wr East East East 1 0 0 1 10011 0 0 0 0 0 1 K' East wr East East East 1 0 0 1 101110 0 0 0 0 0 1 K' East wr East East East East 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11001	0	0	0	0	1		1					1 '		
10101 0 0 0 0 1 K' Ead nor Ead Ead_+ Ead Ead 1 0 1 10011 0 0 0 0 1 K' Ead nor Ead Ead_+ Ead Ead 1 0 1 01110 0 0 0 0 1 K' Ead nor Ead Ead_+ Ead Ead 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0	0	0	0	1		1					4 '	1 .	1 > ZY6a
10011 0 0 0 0 1 K' East wr East East + East East 1 1 0 0 0 1 1 K' East wr East East + East East 1 1 0 0 0 1 1 K' East wr East East + East		0	0	0	. 0	1]				-1		1 -	1 (
01110 0 0 0 0 1 K' End wreas End. + E		0	0	0	0	1.		1					1 7	1 '	1)
The second of the second section of the second section is a second section of the second section section is a second section of the second section sec		0	0	0	0	.1	K'	1		E85_+ E85	1505	1 !	1	1 :	1/
		0_	0	0	0	. 1	K"_		Eas por Eas	Eas + Eas	(Eas	1	<u> </u>	11	√ ′

Post inversion Logic

town Danies of subsets 20 a decode # WSaubChic =1

INVERT DECODED VALUE FOR SUB-WORD Q IF THE WEIGHT OF SUB-WORD C EQUALS FIVE

290a

	De	code F	ath Mu	ıx Con	trol					, -,			
Eb4-0	Gbs_	Hbs	Fbs	Jbs	Kbs	Block	Db5	Db4	Db3	Db2		ОРО	_
10000	1	0	0	0	0	G'	0	0	0	.0	0	0	1 00
01000	1 1	0	0	0	0	G'	0	0	0	0	0	1	> 278
00100	1 1	0	0	0	0	G' G'	0	0	0	. 0	1	0	}
0010	1_	0	0	0	_0	<u> </u>	0	0	0_	0	1	1	
1101	0	1	0	0	0	H'	3.1	1	1	1	0	0)
1011	0	1	0	0	0	н'	1 .	1	1	્ર્યું.હ	0	1	> 280
0111	0	1	0	0	0	н']	1.	1	1	1.	1	0	1
1111	0	1	0	0	0	н′	3600 D	11	1_	1:	1	1)
1000	-	0	1	0	-	F'	Eb5	Eb5	Eb5	Eb5_	0	0	\supset
0100	0	0	1	0	0	F'	Eb5	Eb5	Eb5	Eb5_	0	1	\$ 28
1011	0	0	1	0	0	F.	Eb5	Eb5	Eb5	Eb5_	1	0	آ م
0111	0_	0	1	0	-	F'	Eb5	Eb5	Eb5	Eb5_	1.	1	
0010	-	0	0	1	0		Eb5·Eb6	Eb6_	Eb5_	0	0	0	
0001	0	0	0	1	0	J'	Eb5-Eb6	Eb6_	Eb5_	0	0	1	1 /
1100	0	0	0	1	0	J'	Eb5·Eb6	Eb6_	Eb5_	0	1	0	1 (
1010	0	0	0	1	0	J'	Eb5-Eb6	Eb6_	Eb5_	0	1	1	> 28
1001	0	0	0	1	0	J*	Eb5·Eb6	Eb6_	Eb5_	1	0	0	1 1
0110	0	0	0	1	0	- 1	Eb5·Eb6	Eb6_	Eb5_	1	0	-1	1 1
0101	0	0	0	1	0	J'	Eb5·Eb6	Eb6_	Eb5_	1	1	0	I ノ
0011_	0_	0	0	1	0	J'	Eb5-Eb6	Eb6_	Eb5_	1-1-	1	1	
1100	0	0	0	0	1	к'	Eb6 + Eb5	Eb6_	Eb5_	0	0	0	1
1010	0	0	0	0	1	κ'	Eb6 + Eb5	Eb6	Eb5_	0	0	1	1 1
11001	0	0	0	0	1	κ'	Eb6 + Eb5	. Eb6_	Eb5_	0	1	0	1 /
0110	0	0	0	0	1	K'	Eb6 + Eb5	Eb6	Eb5_	. 0	1	1	> 28
0101	0	0	0	0	1	к'	Eb6+Eb5	Eb6_	Eb5_	. 1	0	0	
0011	0	0	0	0	1	κ′	Eb6 + Eb5	Eb6	Eb5_	. 1	0	1	1 1
1110	0	0	0	0	1	K'	Eb6 + Eb5	Eb6_	Eb5_	1	1	0	1 /
01101	0	0	0	0	1 1	κ′	Eb6 + Eb5	Eb6	Eb5_	<u>. 1</u>	1 1	1 1	」

Post Inversion Logic

INVERT DECODED VALUE FOR

SUB-WORD b IF THE WEIGHT OF

SUB-WORD C = 5 AND OR

THE WEIGHT OF

SUB-WORD a = 2

	De	code P	ath Mu	ux Con	trol										
Ec4-0	Gcs	Hcs	Fcs	Jcs	Kcs	Block		Dc5	Dc4	Dc3	Dc2	Dc1	Dc0		
10000	1	0	0	0	0	G'		Ec6_+Ec5_	0	0	Ec5_	0	0	רו	- 00
01000	1	0	0	0	0	G'		Ec6_+Ec5_	0	0	Ec5_	0	1	≻	2780
00100	1	0	0	0	0	G'	i	Ec6_+Ec5_	0	0	Ec5_	1	0	١)	
00010	1	0	0	0	0	G'		Ec6_+Ec5_	0	0	Ec5_	1	1	_	
11101	0	1	0	0	0	н′	_	1	1	1	Ec5_	0	0	ר	_
11011	0	1	0	0	0	н'	l	912	1	1	Ec5_	0	1	-}-	280
10111	o	1	0	0	0	H'	ŀ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	Ec5_	1	0	١١	_
01111	0	1	0_	0	0	Н'		1	1	1	Ec5_	1	1	/	
11000	0	0	1	0	0	F'	 	Ec5	Ec5	Ec5	Ec5_	· 0	0		
10100	0	0	1	0	0	F	1	Ec5	Ec⁵	Ec5	Ec5_	0	1	١,	282
01011	0	0	1	Ó	ō	F,		Ec5	Ec5	Ec5	Ec5_	1	0	(_
00111	0	0	1	0	0	F.	<u> </u>	Ec5	Ec5_	Ec5	Ec5_	1	1	7	
10010	0	0	0	1	0	J*	-	(Ec5 xor Ec6)_	Ec6_ · Ec5	Ec5_	0	0	0		
10001	0	0	0	1	0	J [*]		(Ec5 xor Ec6)_	Ec6_ · Ec5	Ec5_	0	0	1		
01100	0	0	0	1	0	J	l	(Ec5 xor Ec6)_	Ec6_ · Ec5	Ec5_	0	1	0		
01010	0	0	0	1	0	J		(Ec5 xor Ec6)_	Ec6_ · Ec5	Ec5_	0	1	1	١ /	. 284
01001	0	0	0	1	0	J ʻ		(Ec5 xor Ec6)_	Ec6_ · Ec5	Ec5_	1	0	0	I (~
00110	0	0	0	1	0	J'	1	(Ec5 xor Ec6)_	Ec6_ · Ec5	Ec5_	1	0	1	I \	
00101	0	0	0	1	0	Ĭ.	1	(Ec5 xor Ec6)_	Ec6_ · Ec5	Ec5_	1	1	0.		
00011	0	0	0	1	0	<u>j</u> ′	-	(Ec5 xor Ec6)_	Ec6_ · Ec5	Ec5_	1	1	1		
11100	0	0	0	0	1	κ′	 	Ec6 + Ec5	Ec6_ + Ec5	Ec5_	0	0	0		
11010	0	0	0	0	1	K*		Ec6 + Ec5	Ec6_ + Ec5	Ec5_	0	0	1	- (
11001	0	0	0	0	1	κ´		Ec6 + Ec5	Ec6_ + Ec5	Ec5_	0	1	0	1	
10110	0	0	0	0	1	K į	1	Ec6 + Ec5	Ec6_ + Ec5	Ec5_	0	1	1	ι ١	> 2 86
10101	0	0	0	0	1	κ′.		Ec6 + Ec5	Ec6_ + Ec5	Ec5_	. 1	0	0	1 (
10011	0	0	0	0	1	Ř,		Ec6 + Ec5	Ec6_ + Ec5	Ec5_		0	1	۱ ۱	
01110	0	0	0	0	1	K´	1	Ec6 + Ec5	Ec6_ + Ec5	Ec5_	. 1	1	0	ΙJ	
01101	0	0	0	0	1	ĸ*	l	Ec6 + Ec5	Ec6_ + Ec5	Ec5	1 1	1 1	1 1	1/	

Post Inversion Logic

Invert Results of sub-we30,b decode if W2subCh_a =1

W2subCh_a = Jas·Ea6_·Ea5_ + Gas·(Ea6_ + Ea5_)

INVERT DECODED VALUE FOR SUB-WORD C IF THE WEIGHT OF SUB-WORD a=2

290c

(48/6L EXAMPLE)

CORRESPONDANCE BETWEEN
DECIMAL, BINARY, AND ENCODED VALUES

30.47	306	3082
DECIMAL	BINARY	ENCODED
VALUE	VALUE	VALUE
Decimal	Binary	Binomial
Count	Count	Count
· 0	0000	000111
	0001	001011
2	0010	001101
3	0011	001110
4	0100	010011
1 2 3 4 5 6 7 8	0101	010101
6	0110	010110
7	0111	011001
8	1000	011010
9	1001	011100
10	-1010	100011
11	1011	100101
12	1100	100110
13	1101	101001
14	1110	101010
15	1111	101100
16	extra	110001
17	extra	110010
18	extra	110100
19	extra	111000

	310							0	
	`	7					0	`	8-9
-					•	. '0 '	-	∞	6-9
					0	-	6	82	9=0
				0	~	•	312	26	5-6
			0	`	رة م	5	(3)	20	heck
		0	~	7	01	To the second se	35	5.6	p=3
<u>.</u>	0	Q ^r	هر ا	Ą	1	15	5 / 2	2 8	p=2
* 0 ~	S	2 238,	3.44	4,052	, 10	326	~	O⊲	1=0
9	-	-	-	. 1	~	-	~	`	0=0
	1 = 4	2 = r	2 = 3	n = 4	7 = 5	9 = 4	n = 7	00 11 K	

$$n_p = (n(n-1)(n-2)....n-[p-1])$$
 _310a

58% = 11000110 3106

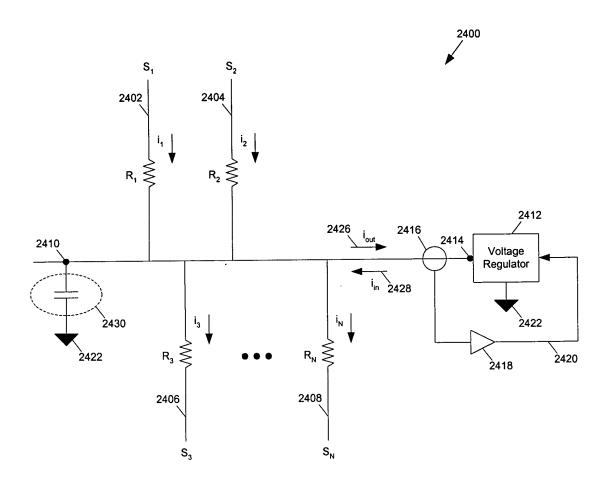


Figure 24

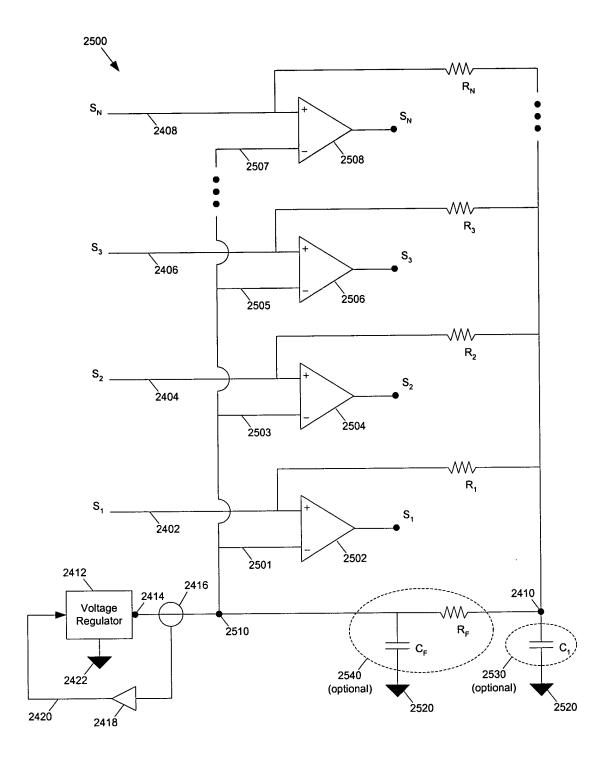


Figure 25

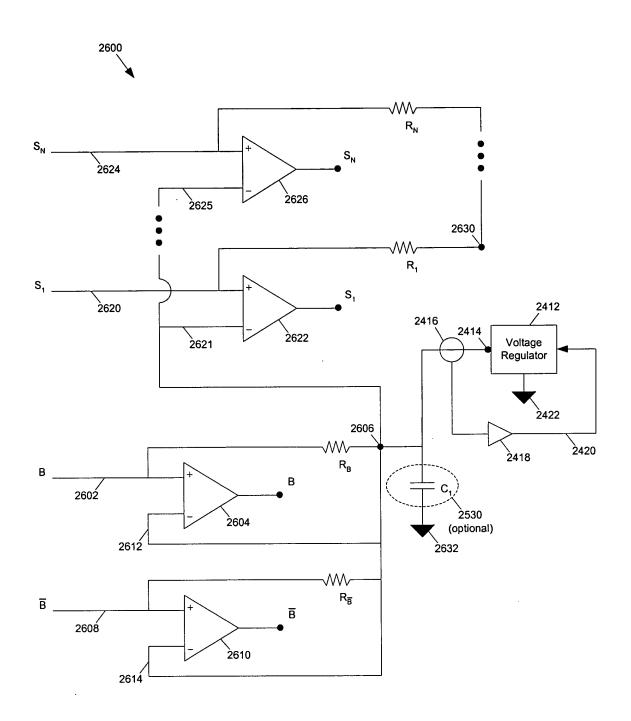


Figure 26

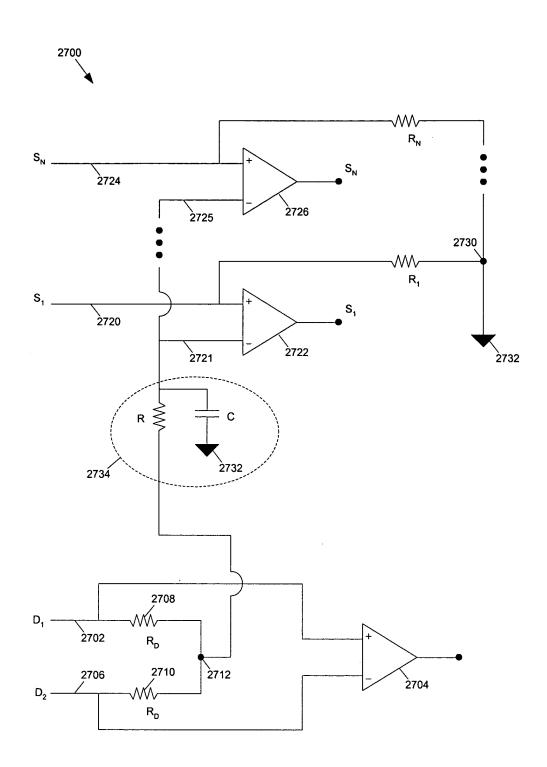


Figure 27

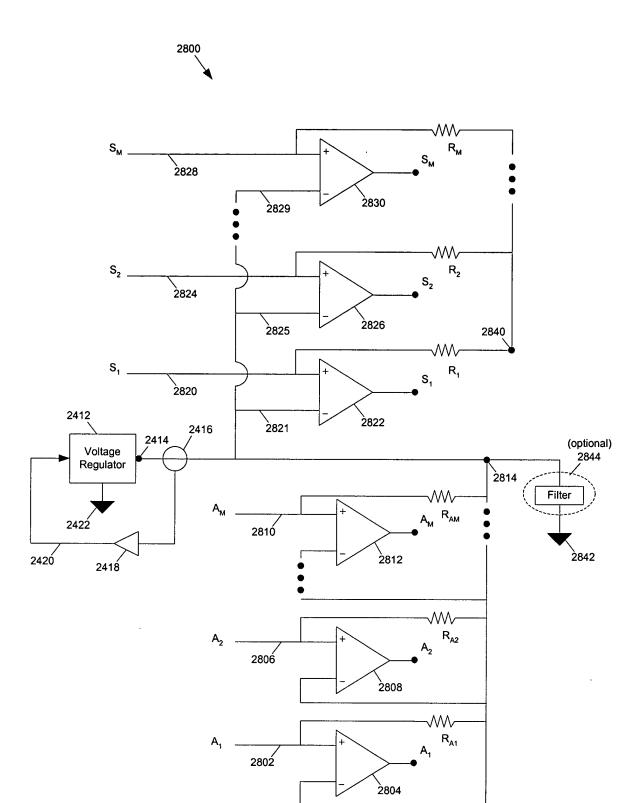


Figure 28